

IN THE CLAIMS

By this amendment, claims 5, 10 and 22 are currently amended.

1. (Original) A voltage transformer circuit for minimizing temperature dependence of an output voltage, the voltage transformer circuit comprising:

a primary winding around a core, the primary winding being coupled to receive a voltage to be sensed;

a first secondary winding around a core, the first secondary winding being coupled to a first output terminal;

a second secondary winding around a core, the second secondary winding being coupled to the first output terminal; and

a bridge circuit coupled to the first and second secondary windings and to a second output terminal.

2. (Original) The voltage transformer circuit of claim 1 wherein a number of windings of the first secondary winding is equal to a number of windings on the second secondary winding.

3. (Original) The voltage transformer circuit of claim 1 wherein a winding ratio of the primary winding to the secondary windings is greater than one.

4. (Original) The voltage transformer circuit of claim 1 wherein a winding ratio of the primary winding to the secondary windings is equal to one.

5. (Once amended) The voltage transformer circuit of claim 1 wherein a winding ratio of the primary winding ~~windings~~ to the secondary windings is less than one.

6. (Original) The voltage transformer circuit of claim 1 wherein the first and second secondary windings are formed by a center-tapped secondary winding coupled at a halfway point

to the first output terminal.

7. (Original) The voltage transformer circuit of claim 1 wherein the first and second secondary windings are formed in a bifilar arrangement on the core.

8. ((Original) The voltage transformer circuit of claim 6 wherein the first and second secondary windings are formed in a bifilar arrangement on the core.

9. (Original) The voltage transformer circuit of claim 1 wherein the first and second secondary windings are formed by two windings coupled together and coupled to the first output terminal of the transformer.

10. (Once amended) ~~The voltage transformer circuit of claim 1 wherein the bridge circuit comprises~~ A voltage transformer circuit for minimizing temperature dependence of an output voltage, the voltage transformer circuit comprising:

a primary winding around a core, the primary winding being coupled to receive a voltage to be sensed;

a first secondary winding around a core, the first secondary winding being coupled to a first output terminal;

a second secondary winding around a core, the second secondary winding being coupled to the first output terminal; and

a bridge circuit having two resistors coupled in parallel and coupled to the second output terminal, said bridge circuit coupled to the first and second secondary windings and to a second output terminal.

11. (Withdrawn)

12. (Withdrawn)

13. (Withdrawn)

14. (Withdrawn)

15. (Withdrawn)

16. (Withdrawn)

17. (Withdrawn)

18. (Withdrawn)

19. (Withdrawn)

20. (Withdrawn)

21. (Withdrawn)

22. (Once amended) A voltage sensing device comprising:

a primary winding around a core, the primary winding being coupled to receive a voltage source to be sensed;

a first secondary winding around a core, the first secondary winding being coupled to a first input of a signal processing circuit;

a second secondary winding around a core, the second secondary winding being coupled to the first input of the signal processing circuit; and

a resistive bridge circuit coupled to the first and second secondary windings and to a second input of the signal processing circuit.

23. (Original) The voltage sensing device of claim 22 wherein the first and second secondary windings are formed by a center-tapped secondary winding coupled at a halfway point to the first output terminal.

24. (Original) The voltage sensing device of claim 22 wherein the first and second secondary windings are formed in a bifilar arrangement on the core.

25. (Original) The voltage transformer circuit of claim 23 wherein the first and second secondary windings are formed in a bifilar arrangement on the core.